

IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)
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421-DAY PILOTED EXPEDITION TWO TRAVELERS TO MARS AND BACK.

Abstract

The report will focus on a real expedition, which is already being prepared by the author of the report for implementation and is at the TRL-2 stage, and in some options partially TRL-3. The cost of the expedition does not exceed 250 million dollars. At the same time, the reliability and simplicity of technical solutions will make it possible to launch to Mars as early as 2026. The expedition is in the stage of initial private investment and is waiting for the main investor. The business plan of the project was drawn up not only taking into account the payback, but making a good profit. The start of the expedition is scheduled for November 21, 2026. Arrival to Mars April 21, 2027. Stay on Mars for 21 days. Departure from Mars on May 21, 2027. Return to Earth on January 21, 2028. And a little sensation! The expedition will be done with one launch of a rocket with a carrying capacity of 21 tons for two tourists and 17 tons for a single one!